

## AMENDMENTS TO THE CLAIMS

**Claim 1 (Currently Amended)** A method of reproducing information from a multilayer recording medium including at least three information layers, the method of reproducing comprising:

converging a laser beam output from a light source ~~onto~~ on a target information layer of the multilayer recording medium;[[,]]

detecting, ~~as reflected light, light that is reflected light~~ from the target information layer as a result of the laser beam converged onto the target information layer, and ~~generating mainly to generate~~ an information signal from the detected reflected light;

detecting, ~~as a cross talk light, light that is reflected~~ from information layers other than the target information layer as a result of the laser beam that is output from the light source and converged onto the target information layer, and ~~generating to generate~~ a cross talk signal from the detected cross talk light; and

reading ~~a~~ predetermined information from the multilayer recording medium, the predetermined information indicating a ratio of the cross talk light that leaks ~~leaking~~ from the ~~other~~ information layers other than the target information layer into to a reflected the reflected light that is reflected from the target information layer;

~~determining adjusting~~ a gain to be applied to ~~of the generated~~ cross talk signal based on the read predetermined information;

amplifying the generated cross talk signal based on the determined gain; and

removing the amplified cross talk signal from the information signal generated from the reflected light that is reflected from the target information layer to generate a

reproduction signal indicating information recorded onto ~~in~~ the target information layer.

**Claim 2 (Cancelled)**

**Claim 3 (Cancelled)**

**Claim 4 (Currently Amended)** The method of reproducing ~~method~~ according to claim 1, wherein the predetermined information includes reflectance information and transmittance information ~~of~~ for each of the other information layers ~~to which~~ having a laser beam ~~is~~ irradiated thereon from a surface of another information layer ~~the layer that is~~ opposite to a light source.

**Claim 5 (Currently Amended)** The method of reproducing ~~method~~ according to claim 1, wherein, when the multilayer recording medium includes three information layers, the predetermined information includes reflectance information and transmittance information regarding two of the three information layers.

**Claim 6 (Currently Amended)** The method of reproducing ~~method~~ according to claim 1, wherein the cross talk signal includes a signal that is reflected from ~~the~~ a second information layer reflected from the target information layer on the light source side.

**Claim 7 (Currently Amended)** A reproducing device ~~of~~ for reproducing information from a multilayer recording medium ~~comprising~~ including at least three information layers, the

reproducing device comprising:

a light source operable to irradiate a laser beam onto one information layer, as a target information layer, for-to read reading information recorded-in onto the multilayer recording medium;

a first detector operable to detect, as reflected light, light that is-a reflected-light from the ~~one~~ target information layer and-mainly to generate an information signal from the detected reflected light;

a second detector operable to detect, as cross talk light, light that is-a reflected-light from the ~~other~~ information layers other than the ~~one~~ target information layer as a result of the laser beam that is output from the light source and irradiated onto the target information layer, and-to generate a cross talk signal from the cross talk light detected by the second detector; and

a cross talk detector operable to read-a cross talk information from a management area of the multilayer recording medium, the cross talk information indicating a ratio of the cross talk light that leaks-leaking from a light source side of the-other information layers other than the target information layer into-on the light source side to-a the reflected light that is reflected from the-one target information layer;

an amplifier operable to ~~adjust~~ determine a gain to be applied to-of the cross talk signal ~~from the second detector~~ based on the read cross talk information, and amplify the cross talk signal based on the determined gain; and

a differentiating unit operable to obtain a difference between the information signal generated by-from the first detector and the cross talk signal amplified by the amplifier,

and to generate, based on the obtained difference, a reproduction signal indicating information recorded ~~onto~~ in the ~~one~~ target information layer.

**Claim 8 (Cancelled)**

**Claim 9 (Cancelled)**

**Claim 10 (Currently Amended)** The reproducing device according to claim 7, wherein the second detector surrounds ~~is provided so as to surround~~ the first detector.

**Claim 11 (Currently Amended)** A multilayer recording medium comprising at least three information layers and being irradiated with a laser beam from a light source to reproduce information, the multilayer recording medium comprising:

a management region that stores to store cross talk information indicating a ratio of a cross talk light that leaks-leaking from a light source side of each information layer-layers other than a specific information layer of the multilayer recording medium-on into the side of the ~~light source to~~ a reflected light that is reflected from the specific information layer during reproduction of information from the specific information layer.

**Claim 12 (Currently Amended)** The multilayer recording medium according to claim 11, wherein thicknesses of a plurality of middle layers arranged between the plurality of information layers to isolate the plurality of information layers are substantially equal.

**Claim 13 (Currently Amended)** The multilayer recording medium according to claim 11, wherein the cross talk information includes reflectance information ~~in~~ of each of the other information ~~layers~~ layer when a laser beam is applied thereto from a surface of another information layer that is opposite to an incident side of the light source.

**Claim 14 (Currently Amended)** The information medium according to claim 11, wherein the management region is provided on one information layer and information is not recorded ~~in~~ onto a region ~~on~~ of the other information ~~layers~~ layer corresponding to the management region.

**Claim 15 (Currently Amended)** The information medium according to claim 11, wherein the management region is provided on ~~the~~ an information layer ~~which~~ that is closest to the light source in relation to the other information layers.